

Pancreatic polypeptide

Cat. No.:	HY-P4060
CAS No.:	59763-91-6
Molecular Formula:	C ₁₈₅ H ₂₈₆ N ₅₂ O ₅₅ S ₂
Molecular Weight:	4182.7
Sequence:	Ala-Pro-Leu-Glu-Pro-Val-Tyr-Pro-Gly-Asp-Asn-Ala-Thr-Pro-Glu-Gln-Met-Ala-Gln-Tyr-Ala-Ala-Asp-Leu-Arg-Arg-Tyr-Ile-Asn-Met-Leu-Thr-Arg-Pro-Arg-Tyr-NH ₂
Sequence Shortening:	APLEPVYPGDNATPEQMAQYAADLRRYINMLTRPRY-NH ₂
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Pancreatic polypeptide is a peptide secreted by the endocrine PP cells of the pancreas that regulates pancreatic secretory activity and also affects hepatic glycogen stores and gastrointestinal secretion ^[1] .
In Vitro	Pancreatic polypeptid (PP) (0.1 μM, 48 h) causes a significant reduction in growth inhibitory hormone secretion in mHippo E18 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Pancreatic polypeptid (PP)(1 μM, Hippocampal injection, 0.2 μL/min followed by 3 min) stimulates the expression of the neuronal activation marker c-Fos in growth inhibitor-containing cells in the male B6C3F1/J mice brain, indicating that it activates growth inhibitor-containing cells in the mouse hippocampus ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wook Kim, et al. Pancreatic polypeptide inhibits somatostatin secretion. FEBS Lett. 2014 Aug 25;588(17):3233-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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